

Please return your corrected report together with the original report. Your grade will go up or down based on the quality of your corrections.

There are issues that need to be corrected in almost all reports (also see: goo.gl/IJICB1):

(1) Please analyze your data properly and give the amplitude, position, and assignment for every major peak. Do not say "a band/peak/signal around 3000 cm⁻¹" (might be any x-H vibration), but "sharp band at 3090 cm⁻¹" (probably due to an alkene or arene, definitely not from an alkane).

(2) Please review the English articles. You have to be able to distinguish 4 cases: The definite singular article "the", the definite plural article "the", the indefinite singular article "a" or "an", and the indefinite plural article "" (nothing), which is also used with singular nouns to indicate generally true statements. Almost every noun needs one of the four articles. Use the definite article if the reader knows which thing/things you are talking about. Use the indefinite article if the reader does not know the thing /things or if you talk about all items of the thing type.

Examples for definite article use: "The University you go to is called UNIST." "The recent earthquake was scary." "The Raman experiments were difficult."

Example for indefinite article use: "Stuttgart has a University that you never visited." "A beam block stopped the 532 nm beam." "Universities are places of education." "Spectroscopy is useful." "Experiments are instructive."

(3) "The abstract should be a clear, concise summary of the principal facts and conclusions of the paper ..." (AIP style manual). If you write an abstract, then summarize your results in a few sentences. Do not describe the experimental technique. Do not explain the usefulness of spectroscopy. Focus on your results and conclusions.

(4) I found many errors due to mismatch of singular and plural. Spectrum is singular, spectra are plural. You must always match the article, noun, and verbs. Figure 1 (singular) shows (singular) two (plural) spectra (plural). The spectra (plural) show (plural) many (plural) bands (plural) or show (plural spectra from before) a (singular) band (singular). Spectrum 1 (singular) shows (singular) two bands.

(5) Please cite your sources properly. If you reproduce a figure you took from somewhere else, you need to clearly say so in the figure caption and give the reference. If you copy a sentence (or more) from another text, you must use quotation marks and cite the reference. If you take information from somewhere but rewrite it into your own text, you must give a citation. It is good scientific writing style to cite from within the text at the appropriate location [1]. You can cite the same reference multiple times without much effort [1]. If you copy something without citation, then you perform plagiarism. If you change the text slightly, it's still plagiarism. This counts as scientific misconduct and is a serious offense. The career of several famous German politicians (cabinet ministers) ended because their PhD theses were found to contain plagiarism [2].

[1] Martyn Shuttleworth, "In Text Citation", <https://explorable.com/in-text-citation> (retrieved Oct. 19, 2016).

[2] Gretchen Vogel, "German defense minister accused of plagiarism" <http://www.sciencemag.org/news/2015/09/german-defense-minister-accused-plagiarism> (retrieved Oct. 19, 2016).